

S/N 10/583,991

FILE 'USPATFULL' ENTERED AT 14:23:05 ON 15 JUN 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 14:23:05 ON 15 JUN 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 14:23:05 ON 15 JUN 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'JAPIO' ENTERED AT 14:23:05 ON 15 JUN 2007
COPYRIGHT (C) 2007 Japanese Patent Office (JPO)- JAPIO

=> d l3 28 ibib hit

L3 ANSWER 28 OF 30 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:606130 CAPLUS
DOCUMENT NUMBER: 121:206130
TITLE: Preparation and characterization of
 α -benzyl- ω -vinylbenzyl polystyrene
macromonomer
AUTHOR(S): Tsukahara, Yasuhisa; Inoue, Jun; Ohta, Yoshinori;
Kohjiya, Shinzo; Okamoto, Yoshio
CORPORATE SOURCE: Department of Materials Science, Kyoto Institute of
Technology Matsugasaki, Kyoto, 606, Japan
SOURCE: Polymer Journal (Tokyo, Japan) (1994), 26(9), 1013-18
CODEN: POLJB8; ISSN: 0032-3896
DOCUMENT TYPE: Journal
LANGUAGE: English
AB α -Benzyl- ω -vinylbenzyl polystyrene
macromonomers of different mol. wts. were prepared by the
living anionic polymerization of styrene using
n-BuLi/tetramethylethylenediamine/PhMe ligand complex as initiator
followed by termination with vinylbenzyl chloride.
End group anal. of the macromonomer showed quant. introduction of the
 α - and ω -end groups. Anionic polymerization of the macromonomer with
s-BuLi provided polymacromonomer with narrow mol. weight distribution. The
central backbone as well as the branch chain ends of the polymacromonomer
have similar chemical structure to that of the constitutional repeating unit
of polystyrene. Thus, the macromonomer can provide useful model branched
polystyrene of regular structure.
IT 1592-20-7DP, p-Vinylbenzyl chloride, reaction products
with living polystyrene 9003-53-6DP, Polystyrene, vinylbenzyl-terminated
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation, characterization and polymerization of α -benzyl- ω -
vinylbenzyl polystyrene macromonomer)

=> d his full

(FILE 'HOME' ENTERED AT 14:01:26 ON 15 JUN 2007)
SET PLURALS ON PERM
SET ABBR ON PERM

FILE 'USPATFULL, USPAT2, CAPLUS, JAPIO' ENTERED AT 14:01:58 ON 15 JUN 2007
L1 111 SEA ABB=ON PLU=ON ((STYREN? OR POLYSTYREN?) (4A) (MACROMONOMER#
OR MACROMER#)) (S) ((LIVING OR CONTROLLED) (3A) POLYMER?)
L2 27 SEA ABB=ON PLU=ON L1 AND (LIVING OR CONTROLLED) (6A) RADICAL?
D L2 1-27 IBIB ABS
D L2 6 IBIB HIT

S/N 10/583,991

FILE 'STNGUIDE' ENTERED AT 14:10:46 ON 15 JUN 2007

L3 FILE 'USPATFULL, USPAT2, CAPLUS, JAPIO' ENTERED AT 14:15:54 ON 15 JUN 2007
30 SEA ABB=ON PLU=ON L1 AND VINYL?(1W) CHLORIDE
D L3 1-30 IBIB ABS

FILE 'STNGUIDE' ENTERED AT 14:20:50 ON 15 JUN 2007

FILE 'USPATFULL, USPAT2, CAPLUS, JAPIO' ENTERED AT 14:23:05 ON 15 JUN 2007
D L3 28 IBIB HIT

FILE HOME

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 14 Jun 2007 (20070614/PD)
FILE LAST UPDATED: 14 Jun 2007 (20070614/ED)
HIGHEST GRANTED PATENT NUMBER: US7231669
HIGHEST APPLICATION PUBLICATION NUMBER: US2007136919
CA INDEXING IS CURRENT THROUGH 14 Jun 2007 (20070614/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 14 Jun 2007 (20070614/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2006

FILE USPAT2

FILE COVERS 2001 TO PUBLICATION DATE: 14 Jun 2007 (20070614/PD)
FILE LAST UPDATED: 14 Jun 2007 (20070614/ED)
HIGHEST GRANTED PATENT NUMBER: US2007100477
HIGHEST APPLICATION PUBLICATION NUMBER: US2007136674
CA INDEXING IS CURRENT THROUGH 14 Jun 2007 (20070614/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 14 Jun 2007 (20070614/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2006

FILE CAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 15 Jun 2007 VOL 146 ISS 26
FILE LAST UPDATED: 14 Jun 2007 (20070614/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

FILE JAPIO

FILE LAST UPDATED: 27 APR 2007 <20070427/UP>
FILE COVERS APRIL 1973 TO JANUARY 25, 2007

>>> GRAPHIC IMAGES AVAILABLE <<<

S/N 10/583,991.

FILE STNGUIDE
FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jun 8, 2007 (20070608/UP).

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

8.06

197.12

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-0.78

-21.06

STN INTERNATIONAL LOGOFF AT 14:23:30 ON 15 JUN 2007